

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method of booting a computer, the method comprising:
 - initiating a boot operation;
 - detecting a failure after initiation of and during performance of the boot operation;
 - attempting to identify a source of the failure by initiating a targeted diagnostic operation on at least one hardware device in the computer that is a potential source of the failure in response to detecting the failure; and
 - completing the boot operation after initiating the diagnostic operation.
2. (Original) The method of claim 1, wherein the boot operation comprises a fast boot operation.
3. (Currently Amended) The method of claim 1, wherein the failure is associated with a failed hardware device, and wherein detecting the failure is performed prior to performing a diagnostic operation on the failed hardware device to attempt to identify the source of the failure.
4. (Original) The method of claim 1, wherein initiating the targeted diagnostic operation identifies a failed hardware device, the method further comprising isolating the failed hardware device responsive to the targeted diagnostic operation.
5. (Original) The method of claim 4, wherein isolating the failed hardware device comprises deconfiguring the failed hardware device.

6. (Original) The method of claim 4, further comprising reconfiguring the computer to account for isolating the failed hardware device in response to the targeted diagnostic operation.

7. (Original) The method of claim 1, wherein the targeted diagnostic operation is initiated in response to a detected failure only for those hardware devices that are potential sources of the detected failure.

8. (Original) The method of claim 1, further comprising logging an error detected by the targeted diagnostic operation.

9. (Original) The method of claim 8, further comprising discarding an error log generated during the boot operation prior to initiating the targeted diagnostic operation.

10. (Original) The method of claim 1, wherein detecting the failure, initiating the targeted diagnostic operation and completing the boot operation are performed without user intervention.

11. (Currently Amended) An apparatus, comprising:

at least one processor; and

program code configured to be executed by the at least one processor to initiate a boot operation, detect a failure after initiation of and during performance of the boot operation, attempt to identify a source of the failure by initiating ~~initiate~~ a targeted diagnostic operation on at least one hardware device that is a potential source of the failure in response to detecting the failure, and complete the boot operation after initiating the targeted diagnostic operation.

12. (Original) The apparatus of claim 11, wherein the boot operation comprises a fast boot operation.

13. (Currently Amended) The apparatus of claim 11, wherein the failure is associated with a failed hardware device, and wherein the program code is configured to detect the failure prior to performing a diagnostic operation on the failed hardware device to attempt to identify the source of the failure.

14. (Original) The apparatus of claim 11, wherein the program code is configured to identify a failed hardware device in response to initiating the targeted diagnostic operation, and wherein the program code is further configured to isolate the failed hardware device responsive to the targeted diagnostic operation.

15. (Original) The apparatus of claim 14, wherein the program code is configured to isolate the failed hardware device by deconfiguring the failed hardware device.

16. (Original) The apparatus of claim 14, wherein the program code is further configured to reconfigure the apparatus to account for isolating the failed hardware device in response to the targeted diagnostic operation.

17. (Original) The apparatus of claim 11, wherein the targeted diagnostic operation is initiated in response to a detected failure only for those hardware devices that are potential sources of the detected failure.

18. (Original) The apparatus of claim 11, wherein the program code is further configured to log an error detected by the targeted diagnostic operation.

19. (Original) The apparatus of claim 18, wherein the program code is further configured to discard an error log generated during the boot operation prior to initiating the targeted diagnostic operation.

20. (Original) The apparatus of claim 11, wherein the program code is configured to detect the failure, initiate the targeted diagnostic operation and complete the boot operation without user intervention.

21. (Original) The apparatus of claim 20, wherein the at least one processor includes a service processor, wherein at least a portion of the program code is configured to be executed by the service processor.

22. (Currently Amended) A program product, comprising:

program code configured to initiate a boot operation on a computer, detect a failure after initiation of and during performance of the boot operation, attempt to identify a source of the failure by initiating ~~initiate~~ a targeted diagnostic operation on at least one hardware device in the computer that is a potential source of the failure in response to detecting the failure, and complete the boot operation after initiating the targeted diagnostic operation; and

a physical computer readable signal bearing medium bearing the program code.

23. (Currently Amended) The program product of claim 22, wherein the computer readable signal bearing medium includes ~~at least one of a transmission medium and~~ a recordable medium.

24. (New) A method of booting a computer, the method comprising:

initiating a boot operation;

detecting a failure after initiation of and during performance of the boot operation;

initiating a targeted diagnostic operation on at least one hardware device in the computer in response to detecting the failure;

completing the boot operation after initiating the diagnostic operation;

logging an error detected by the targeted diagnostic operation; and

discarding an error log generated during the boot operation prior to initiating the targeted diagnostic operation.

25. (New) An apparatus, comprising:

at least one processor; and

program code configured to be executed by the at least one processor to initiate a boot operation, detect a failure after initiation of and during performance of the boot operation, initiate a targeted diagnostic operation on at least one hardware device in response to detecting the failure, and complete the boot operation after initiating the targeted diagnostic operation, wherein the program code is further configured to log an error detected by the targeted diagnostic operation, and discard an error log generated during the boot operation prior to initiating the targeted diagnostic operation.